

13
a1 ~~17~~ (New). A scroll compressor as recited in Claim 1, wherein a one-way clutch connects said rotary motor to said second scroll when said motor is driven in said forward direction, such that said transmission does not affect the speed of movement of said second scroll when said motor is driven in said forward direction, and said one-way clutch allowing relative rotation between said motor and said second scroll member when said motor is driven in said reverse direction such that the drive of said second scroll by said rotary motor passes through said transmission when said motor is driven in said reverse direction.

~~18~~ (New). A scroll compressor comprising:
a first scroll member having a base and a scroll wrap extending from said base;
a second scroll member having a base and a scroll wrap interfitting with said first scroll wrap;
a shaft operably connected to drive said second scroll member to orbit relative to said first scroll member;
a bi-directional rotary motor for driving said shaft to in turn drive said second scroll relative to said first scroll, said motor being driven in a forward direction and in a reverse direction; and
a one-way clutch for connecting said motor and shaft to drive said second scroll when said motor is driven in one of said forward and reverse directions, and a mechanical transmission for affecting the speed of movement of said second scroll when said motor is driven in a second of said forward and reverse directions, said one-way clutch allowing said motor and shaft to drive said second scroll when driven in said one of said forward and reverse directions without passing through said transmission, and said one-way clutch